

PROPOSED

HOUSE OF REPRESENTATIVES AMENDMENTS TO H.B. 2615

(Reference to printed bill)

1 Strike everything after the enacting clause and insert:

2 "Section 1. Title 9, chapter 4, article 6.4, Arizona Revised Statutes,
3 is amended by adding section 9-468, to read:

4 9-468. Solar construction permits; standards

5 A. MUNICIPALITIES SHALL ADOPT THE FOLLOWING STANDARDS FOR ISSUING
6 PERMITS FOR THE USE OF CERTAIN SOLAR ENERGY DEVICES:

7 1. FOR SINGLE-FAMILY RESIDENTIAL CONSTRUCTION WITH SOLAR PHOTOVOLTAIC
8 SYSTEMS THAT ARE INTENDED TO CONNECT TO A UTILITY SYSTEM, THE FOLLOWING
9 APPLY:

10 (a) THE LOCATION OF THE PHOTOVOLTAIC SYSTEM INSTALLATION SHALL BE
11 INDICATED ON THE CONSTRUCTION PLANS, INCLUDING THE ROOF PLAN AND ELEVATION.

12 (b) PHOTOVOLTAIC PANEL MOUNTING DETAILS SHALL BE INCLUDED IN THE
13 INSTALLATION PLANS.

14 (c) THE ELECTRICAL DIAGRAMS SHALL INCLUDE ONE-LINE AND THREE-LINE
15 DIAGRAMS.

16 (d) FOR DIRECT CURRENT TO ALTERNATING CURRENT CONVERSIONS, THE CUT
17 SHEET AND LISTINGS FOR INVERTERS SHALL BE INCLUDED IN THE PLANS.

18 (e) CONSTRUCTION PLAN NOTES SHALL REQUIRE THAT THE INSTALLATION BE
19 COMPLETED IN COMPLIANCE WITH STANDARD 690 OF A NATIONAL ELECTRICAL CODE AND
20 THAT WARNING SIGNS SHALL COMPLY WITH STANDARDS OF A NATIONAL ELECTRICAL CODE.

21 (f) NO MUNICIPALITY SHALL REQUIRE A STAMP FROM A PROFESSIONAL ENGINEER
22 FOR A SINGLE FAMILY RESIDENTIAL SOLAR PHOTOVOLTAIC SYSTEM UNTIL AFTER THE
23 PLAN REVIEW HAS BEEN PERFORMED AND IT HAS BEEN DEEMED NECESSARY THAT AN
24 ENGINEERING STAMP IS REQUIRED. IN THE EVENT THAT AN ENGINEERING STAMP IS
25 CALLED FOR THE MUNICIPALITY SHALL PROVIDE THE PERMITTEE A WRITTEN EXPLANATION
26 OF WHY THE ENGINEERING STAMP IS NECESSARY.

27 2. FOR SINGLE FAMILY RESIDENTIAL SOLAR WATER HEATING SYSTEMS, THE
28 FOLLOWING APPLY:

1 (a) THE LOCATION OF THE SOLAR PANEL SYSTEM SHALL BE INDICATED ON THE
2 CONSTRUCTION PLANS, INCLUDING THE ROOF PLAN AND ELEVATION, AND SHALL INCLUDE
3 MOUNTING DETAILS FOR PANEL INSTALLATION.

4 (b) CONSTRUCTION PLAN NOTES SHALL INCLUDE A REQUIREMENT THAT SOLAR
5 WATER HEATING EQUIPMENT BE INSTALLED IN COMPLIANCE WITH APPLICABLE PLUMBING
6 CODES AND AS PRESCRIBED BY A SOLAR RATING AND CERTIFICATION CORPORATION AND
7 ANY GUIDELINES ADOPTED BY THIS STATE.

8 (c) NO MUNICIPALITY SHALL REQUIRE A STAMP FROM A PROFESSIONAL ENGINEER
9 FOR A SINGLE FAMILY RESIDENTIAL SOLAR PHOTOVOLTAIC SYSTEM UNTIL AFTER THE
10 PLAN REVIEW HAS BEEN PERFORMED AND IT HAS BEEN DEEMED NECESSARY THAT AN
11 ENGINEERING STAMP IS REQUIRED. IN THE EVENT THAT AN ENGINEERING STAMP IS
12 CALLED FOR THE MUNICIPALITY SHALL PROVIDE THE PERMITEE A WRITTEN EXPLANATION
13 OF WHY THE ENGINEERING STAMP IS NECESSARY.

14 3. ANY BUILDING OR PERMIT FEE OR CHARGE ASSESSED BY A CITY OR TOWN
15 RELATING TO A SOLAR ENERGY PRODUCT MUST BE ATTRIBUTABLE TO AN DEFRAY OR COVER
16 THE EXPENSE OF THE PRODUCT OR SERVICE FOR WHICH THE FEE OR CHARGE IS
17 ASSESSED. A FEE OR CHARGE SHALL NOT EXCEED THE ACTUAL COST OF THE PRODUCT OR
18 SERVICE, AND A WRITTEN, ITEMIZED LIST OF THE INDIVIDUAL COSTS ASSOCIATED WITH
19 THE PERMIT FEE SHALL BE PROVIDED AT THE REQUEST OF THE PERMITEE.

20 B. BEFORE ADOPTION OF A FEE FOR SERVICE OR AN ADDITIONAL OR SEPARATE
21 CHARGE PURSUANT TO THIS SECTION, A CITY OR TOWN SHALL HOLD A PUBLIC HEARING
22 ON THE ISSUE WITH AT LEAST FIFTEEN DAYS PUBLISHED NOTICE.

23 C. THE METHOD BY WHICH A CITY OR TOWN ARRIVES AT AN ASSESSED PERMIT OR
24 PLAN FEE MUST BE PUBLISHED AND MADE AVAILABLE TO THE PUBLIC.

25 Sec. 2. Title 11, chapter 2, article 9, Arizona Revised Statutes, is
26 amended by adding section 11-323, to read:

27 11-323. Solar construction permits; standards

28 A. COUNTIES SHALL ADOPT THE FOLLOWING STANDARDS FOR ISSUING PERMITS
29 FOR THE USE OF CERTAIN SOLAR ENERGY DEVICES:

30 1. FOR SINGLE-FAMILY RESIDENTIAL CONSTRUCTION WITH SOLAR PHOTOVOLTAIC
31 SYSTEMS THAT ARE INTENDED TO CONNECT TO A UTILITY SYSTEM, THE FOLLOWING
32 APPLY:

1 (a) THE LOCATION OF THE PHOTOVOLTAIC SYSTEM INSTALLATION SHALL BE
2 INDICATED ON THE CONSTRUCTION PLANS, INCLUDING THE ROOF PLAN AND ELEVATION.

3 (b) PHOTOVOLTAIC PANEL MOUNTING DETAILS SHALL BE INCLUDED IN THE
4 INSTALLATION PLANS.

5 (c) THE ELECTRICAL DIAGRAMS SHALL INCLUDE ONE-LINE AND THREE-LINE
6 DIAGRAMS.

7 (d) FOR DIRECT CURRENT TO ALTERNATING CURRENT CONVERSIONS, THE CUT
8 SHEET AND LISTINGS FOR INVERTERS SHALL BE INCLUDED IN THE PLANS.

9 (e) CONSTRUCTION PLAN NOTES SHALL REQUIRE THAT THE INSTALLATION BE
10 COMPLETED IN COMPLIANCE WITH STANDARD 690 OF A NATIONAL ELECTRICAL CODE AND
11 THAT WARNING SIGNS SHALL COMPLY WITH STANDARDS OF A NATIONAL ELECTRICAL CODE.

12 (f) NO COUNTY SHALL REQUIRE A STAMP FROM A PROFESSIONAL ENGINEER FOR A
13 SINGLE FAMILY RESIDENTIAL SOLAR PHOTOVOLTAIC SYSTEM UNTIL AFTER THE PLAN
14 REVIEW HAS BEEN PERFORMED AND IT HAS BEEN DEEMED NECESSARY THAT AN
15 ENGINEERING STAMP IS REQUIRED. IN THE EVENT THAT AN ENGINEERING STAMP IS
16 CALLED FOR THE COUNTY SHALL PROVIDE THE PERMITTEE A WRITTEN EXPLANATION OF WHY
17 THE ENGINEERING STAMP IS NECESSARY.

18 2. FOR SINGLE FAMILY RESIDENTIAL SOLAR WATER HEATING SYSTEMS, THE
19 FOLLOWING APPLY:

20 (a) THE LOCATION OF THE SOLAR PANEL SYSTEM SHALL BE INDICATED ON THE
21 CONSTRUCTION PLANS, INCLUDING THE ROOF PLAN AND ELEVATION, AND SHALL INCLUDE
22 MOUNTING DETAILS FOR PANEL INSTALLATION.

23 (b) CONSTRUCTION PLAN NOTES SHALL INCLUDE A REQUIREMENT THAT SOLAR
24 WATER HEATING EQUIPMENT BE INSTALLED IN COMPLIANCE WITH APPLICABLE PLUMBING
25 CODES AND AS PRESCRIBED BY A SOLAR RATING AND CERTIFICATION CORPORATION AND
26 ANY GUIDELINES ADOPTED BY THIS STATE.

27 (c) NO COUNTY SHALL REQUIRE A STAMP FROM A PROFESSIONAL ENGINEER FOR A
28 SINGLE FAMILY RESIDENTIAL SOLAR PHOTOVOLTAIC SYSTEM UNTIL AFTER THE PLAN
29 REVIEW HAS BEEN PERFORMED AND IT HAS BEEN DEEMED NECESSARY THAT AN
30 ENGINEERING STAMP IS REQUIRED. IN THE EVENT THAT AN ENGINEERING STAMP IS
31 CALLED FOR THE COUNTY SHALL PROVIDE THE PERMITTEE A WRITTEN EXPLANATION OF WHY
32 THE ENGINEERING STAMP IS NECESSARY.

1 B. ANY BUILDING OR PERMIT FEE OR CHARGE ASSESSED BY A CITY OR TOWN
2 RELATING TO A SOLAR ENERGY PRODUCT MUST BE ATTRIBUTABLE TO AN DEFRAY OR COVER
3 THE EXPENSE OF THE PRODUCT OR SERVICE FOR WHICH THE FEE OR CHARGE IS
4 ASSESSED. A FEE OR CHARGE SHALL NOT EXCEED THE ACTUAL COST OF THE PRODUCT OR
5 SERVICE, AND A WRITTEN, ITEMIZED LIST OF THE INDIVIDUAL COSTS ASSOCIATED WITH
6 THE PERMIT FEE SHALL BE PROVIDED AT THE REQUEST OF THE PERMITEE.

7 C. BEFORE ADOPTION OF A FEE FOR SERVICE OR AN ADDITIONAL OR SEPARATE
8 CHARGE PURSUANT TO THIS SECTION, A COUNTY SHALL HOLD A PUBLIC HEARING ON THE
9 ISSUE WITH AT LEAST FIFTEEN DAYS PUBLISHED NOTICE.

10 D. THE METHOD BY WHICH A COUNTY ARRIVES AT AN ASSESSED PERMIT OR PLAN
11 FEE MUST BE PUBLISHED AND MADE AVAILABLE TO THE PUBLIC.

12 E. PERMIT FEES AND THE PERMIT PROCESS FOR INSTALLATION OF SOLAR WATER
13 HEATING SYSTEMS SHALL BE SUBSTANTIALLY SIMILAR TO THOSE FOR A DOMESTIC WATER
14 HEATER REPLACEMENT THAT IS NOT A SOLAR ENERGY DEVICE.

15 Section 3. The local government solar equipment permit process
16 improvement study committee; purpose; membership;
17 report

18 A. The local government solar equipment permit process improvement
19 study committee is established consisting of the following members:

20 1. Three members of the house of representatives who are appointed by
21 the speaker of the house of representatives, not more than two of whom are
22 members of the same political party. The speaker of the house of
23 representatives shall designate one of these members to serve as
24 cochairperson of the committee.

25 2. Three members of the senate who are appointed by the president of
26 the senate, not more than two of whom are members of the same political
27 party. The president of the senate shall designate one of these members to
28 serve as cochairperson of the committee.

29 3. Three members representing Arizona cities and towns as follows:

30 (a) One member representing a city with a population over 500,000
31 persons.

1 (b) One member representing a city with a population over 40,000 but
2 less than 500,000 persons.

3 (c) One member representing a city or town with a population less than
4 40,000 persons.

5 4. Three members representing Arizona counties as follows:

6 (a) One member representing a county with a population of 1,000,000 or
7 more persons.

8 (b) One member representing a county with a population over 100,000 but
9 less than 1,000,000 persons.

10 (c) One member representing a county with a population of less than
11 100,000 persons.

12 5. Two members representing the utility industry.

13 6. Two members representing the solar energy industry.

14 7. Two members representing the homebuilding industry.

15 B. The committee shall collect information on and consider the
16 following issues:

17 1. Best practices regarding local government permitting standards and
18 permitting fees associated with solar energy features.

19 2. Removing barriers in the permitting and inspection process to
20 successful development and use of solar energy.

21 C. The committee shall make a final report of its findings and
22 recommendations to the governor, the president of the senate, and the speaker
23 of the house of representatives, by December 31, 2009 and shall provide a
24 copy of this report to the director of the Arizona state library, archives,
25 and public records and any member of the public who requests a copy.

26 Sec 4. Delayed repeal

27 This act is repealed from and after December 31, 2009."

28 Amend title to conform

LUCY MASON

2615-se2-mason

2/29/08

2:15 PM

H:jmb